GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2002, 02:58:30 ; Search time 171 Seconds
(without alignments)
4641.463 Million cell updates/sec

Title: US-09-716-536-7
Perfect score: 2007
Sequence: 1 gtgcggtggagcgaaatttg.....aaaaaaaaaaaaaaaaaaaa 2007

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 355320 seqs, 197730502 residues

Total number of hits satisfying chosen parameters: 710640

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
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13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	176.4	8.8	7542	12	US-10-153-921-3	Sequence 3, Appli
c	2	148	7.4	148	9	US-09-764-868-1379	Sequence 1379, Ap
	3	51.8	2.6	4246	10	US-09-834-975-948	Sequence 948, App
	4	51.8	2.6	7596	10	US-09-954-456-2215	Sequence 2215, Ap
	5	51.6	2.6	2108	10	US-09-962-832-225	Sequence 225, App
	6	47.8	2.4	1852	10	US-09-969-852-4	Sequence 4, Appli
c	7	46.6	2.3	475	10	US-09-864-761-6203	Sequence 6203, Ap
c	8	46.6	2.3	511	10	US-09-864-761-22817	Sequence 22817, A
	9	46.6	2.3	3809	12	US-10-001-870-68	Sequence 68, Appl
c	10	44.4	2.2	267	10	US-09-864-761-27984	Sequence 27984, A
	11	44	2.2	3388	9	US-09-954-531-988	Sequence 988, App
	12	44	2.2	3388	9	US-09-954-531-1382	Sequence 1382, Ap
	13	44	2.2	3388	10	US-09-954-456-1602	Sequence 1602, Ap
	14	44	2.2	3388	10	US-09-967-768A-245	Sequence 245, App
	15	42.4	2.1	6457	10	US-09-880-107-3389	Sequence 3389, Ap
	16	41.6	2.1	3773	10	US-09-925-302-47	Sequence 47, Appl
	17	41.4	2.1	1867	10	US-09-764-864-344	Sequence 344, App
	18	41	2.0	1954	10	US-09-866-582-13	Sequence 13, Appl
	19	40.6	2.0	14800	10	US-09-954-456-1601	Sequence 1601, Ap
	20	40.4	2.0	729	10	US-09-764-864-736	Sequence 736, App
	21	39.8	2.0	5190	9	US-09-954-531-181	Sequence 181, App
	22	39.6	2.0	251	10	US-09-864-761-20881	Sequence 20881, A
	23	39.6	2.0	448	10	US-09-864-761-4127	Sequence 4127, Ap
c	24	39	1.9	659158	9	US-09-771-208-20	Sequence 20, Appl
	25	38.6	1.9	4916	10	US-09-866-108-5	Sequence 5, Appli
	26	38.6	1.9	7707	10	US-09-866-108-2	Sequence 2, Appli
	27	38.6	1.9	8117	10	US-09-866-108-1	Sequence 1, Appli
	28	38.4	1.9	1002	10	US-09-764-864-316	Sequence 316, App
	29	37.8	1.9	2435	10	US-09-823-038A-40	Sequence 40, Appl
	30	37.6	1.9	493	12	US-10-044-090-847	Sequence 847, App
	31	37.6	1.9	1340	10	US-09-925-297-318	Sequence 318, App
	32	37.4	1.9	575	10	US-09-864-761-20733	Sequence 20733, A
	33	37.4	1.9	1969	10	US-09-864-761-3972	Sequence 3972, Ap
c	34	37.4	1.9	13341	8	US-08-910-386A-1	Sequence 1, Appli
c	35	37.4	1.9	19639	8	US-08-910-386A-6	Sequence 6, Appli
c	36	37.2	1.9	306	10	US-09-813-358-159	Sequence 159, App
c	37	37.2	1.9	538	10	US-09-813-358-177	Sequence 177, App
c	38	37.2	1.9	32816	10	US-09-729-094-3	Sequence 3, Appli
c	39	37	1.8	272	10	US-09-864-761-22608	Sequence 22608, A
	40	37	1.8	310	9	US-09-728-444-777	Sequence 777, App
c	41	37	1.8	454	10	US-09-864-761-5848	Sequence 5848, Ap
	42	37	1.8	4711	12	US-10-044-090-210	Sequence 210, App
	43	36.8	1.8	272	10	US-09-864-761-18054	Sequence 18054, A
c	44	36.8	1.8	474	10	US-09-864-761-11284	Sequence 11284, A
c	45	36.8	1.8	2283	9	US-09-938-842A-1691	Sequence 1691, Ap

ALIGNMENTS

RESULT 1
US-10-153-921-3
; Sequence 3, Application US/10153921
; Patent No. US20020142430A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000612DIV
; CURRENT APPLICATION NUMBER: US/10/153,921
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/207,281
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/734,030
; PRIOR FILING DATE: 2000-12-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 7542
; TYPE: DNA
; ORGANISM: HOMO SAPIEN
US-10-153-921-3

Query Match 8.8%; Score 176.4; DB 12; Length 7542;
Best Local Similarity 95.1%; Pred. No. 3.4e-39;
Matches 194; Conservative 0; Mismatches 6; Indels 4; Gaps 1;

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Qy       1 GTGCGGTGGAGCGAAATTTGAAGCAAGCGGAGGCGGGGCG----CTCTACGAAGCCGGAC 56
             |||| | ||||| |||||||||||||||||||| || |     ||||||||||||||
Db    7302 GTGCTGCGGAGCCAAATTTGAAGCAAGCGGAGGCGCGGGGGCGCGTCTACGAAGCCGGAC 7361

Qy      57 CTGTAGCAGTTTCTTTGGCTGCCTGGGCCCCTTGAGTCCAGCCATCATGCCTATCCGTGC 116
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    7362 CTGTAGCAGTTTCTTTGGCTGCCTGGGCCCCTTGAGTCCAGCCATCATGCCTATCCGTGC 7421

Qy     117 TCTGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGCGACGTGGCCGCCATCCACTG 176
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    7422 TCTGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGCGACGTGGCCGCCATCCACTG 7481

Qy     177 CGGCCACACCTTCCACTTGCAGTG 200
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Db   7482 CGGCCACACCTTCCACTTGCAGTG 7505


RESULT 2
US-09-764-868-1379/c
; Sequence 1379, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PTZ32
;  CURRENT APPLICATION NUMBER: US/09/764,868
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 1510
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1379
;   LENGTH: 148
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-868-1379

  Query Match             7.4%;  Score 148;  DB 9;  Length 148;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-32;
  Matches  148;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      48 AAGCCGGACCTGTAGCAGTTTCTTTGGCTGCCTGGGCCCCTTGAGTCCAGCCATCATGCC 107
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     148 AAGCCGGACCTGTAGCAGTTTCTTTGGCTGCCTGGGCCCCTTGAGTCCAGCCATCATGCC 89

Qy     108 TATCCGTGCTCTGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGCGACGTGGCCGC 167
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      88 TATCCGTGCTCTGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGCGACGTGGCCGC 29

Qy     168 CATCCACTGCGGCCACACCTTCCACTTG 195
           |||||||||||||||||||||||||||||
Db      28 CATCCACTGCGGCCACACCTTCCACTTG 1


RESULT 3
US-09-834-975-948
; Sequence 948, Application US/09834975
; Patent No. US20020110815A1
; GENERAL INFORMATION:
;  APPLICANT: Lillie, James
;  APPLICANT:  Brown, Jeffrey
;  APPLICANT:  Bolt, Andrew
;  APPLICANT:  Van Huffel, Christophe
;  TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS AND METHODS
;  TITLE OF INVENTION:  FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
;  TITLE OF INVENTION:  OF HUMAN CANCERS
;  FILE REFERENCE: MRI-016B
;  CURRENT APPLICATION NUMBER: US/09/834,975
;  CURRENT FILING DATE:  2001-04-13
;  PRIOR APPLICATION NUMBER: 60/197,538
;  PRIOR FILING DATE: 2000-04-14
;  NUMBER OF SEQ ID NOS: 1046
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 948
;   LENGTH: 4246
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-834-975-948

  Query Match             2.6%;  Score 51.8;  DB 10;  Length 4246;
  Best Local Similarity   47.9%;  Pred. No. 0.00031;
  Matches  149;  Conservative    0;  Mismatches  162;  Indels    0;  Gaps    0;

Qy     297 TCTTGCCCAGGAGGAGGAGAATGTCTTGGATCGAGAATTCTTAAAGAATGAACTGGACAA 356
           ||  |  ||| ||||||| | |    ||   |  |   | |  ||||  || ||
Db     765 TCAGGAGCAGCAGGAGGAGGAGGAGGCCAGGAAGAACCTGGAGAAGCAAGTGCTGGC 824

Qy     357 TGTCAGAGCCCAGCTTTCCCAGAAAGACAAGGAGAAACGAGACAGCCAGGTCATCATCGA 416
           |     ||||| |  |  | |   | ||| |   |   |||  || ||  |  || ||
Db     825 CCTGCAGTCCCAGTTGGCTGATACCAAGAAGAAAGTAGATGACGACCTGGGAACAATTGA 884

Qy     417 CACTCTGCGGGATACGCTGGAAGAACGCAATGCTACTGTGGTATCTCTGCAGCAGGCCTT 476
           | ||||   ||  |   | |  | |           | ||   | |||   ||| | |
Db     885 AAGTCTGGAAGAAGCCAAGAAGAAGCTTCTGAAGGACGCGGAGGCCCTGAGCCAGCGCCT 944

Qy     477 GGGCAAGGCCGAGATGCTGTGCTCCACACTGAAAAAGCAGATGAAGTACTTAGAGCAGCA 536
           ||   ||   |   ||  ||    || |||| | |||   | |||   | |  ||||| |
Db     945 GGAGGAGAAGGCACTGGCGTATGACAAACTGGAGAAGACCAAGAACCGCCTGCAGCAGGA 1004

Qy     537 GCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAAGATGAAGAC 596
           || ||| ||   ||     |  |  ||  |   | ||| | ||     |||  || |||
Db    1005 GCTGGACGACCTCACGGTGGACCTGGACCACCAGCGCCAGGTCGCCTCCAACTTGGAGAA 1064

Qy     597 CATGGAGCAGA 607
           | | || |||
Db    1065 GAAGCAGAAGA 1075


RESULT 4
US-09-954-456-2215
; Sequence 2215, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
;  APPLICANT: Young, Paul
;  TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using C
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-76
;  CURRENT APPLICATION NUMBER: US/09/954,456
;  CURRENT FILING DATE:  2001-09-18
;  PRIOR APPLICATION NUMBER: US/60/233,617
;  PRIOR FILING DATE: 2000-09-18
;  PRIOR APPLICATION NUMBER: US/60/234,052
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: US/60/234,923
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,134
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,637
;  PRIOR FILING DATE: 2000-09-26
;  PRIOR APPLICATION NUMBER: US/60/235,638
;  PRIOR FILING DATE: 2000-09-26
;  PRIOR APPLICATION NUMBER: US/60/235,711
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,720
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,840
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,863
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 2276
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2215
;   LENGTH: 7596
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-954-456-2215

  Query Match             2.6%;  Score 51.8;  DB 10;  Length 7596;
  Best Local Similarity   47.9%;  Pred. No. 0.00045;
  Matches  149;  Conservative    0;  Mismatches  162;  Indels    0;  Gaps    0;

Qy     297 TCTTGCCCAGGAGGAGGAGAATGTCTTGGATCGAGAATTCTTAAAGAATGAACTGGACAA 356
           ||  |  ||| ||||||| | |    ||   |  |   | |  ||||  || ||
Db    4123 TCAGGAGCAGCAGGAGGAGGAGGAGGCCAGGAAGAACCTGGAGAAGCAAGTGCTGGC 4182

Qy     357 TGTCAGAGCCCAGCTTTCCCAGAAAGACAAGGAGAAACGAGACAGCCAGGTCATCATCGA 416
           |     ||||| |  |  | |   | ||| |   |   |||  || ||  |  || ||
Db    4183 CCTGCAGTCCCAGTTGGCTGATACCAAGAAGAAAGTAGATGACGACCTGGGAACAATTGA 4242

Qy     417 CACTCTGCGGGATACGCTGGAAGAACGCAATGCTACTGTGGTATCTCTGCAGCAGGCCTT 476
           | ||||   ||  |   | |  | |           | ||   | |||   ||| | |
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Db   4243 AAGTCTGGAAGAAGCCAAGAAGAAGCTTCTGAAGGACGCGGAGGCCCTGAGCCAGCGCCT 4302

Qy    477 GGGCAAGGCCGAGATGCTGTGCTCCACACTGAAAAAGCAGATGAAGTACTTAGAGCAGCA 536
          ||   ||   |   ||  ||    || |||| | |||   | |||   | |  ||||| |
Db   4303 GGAGGAGAAGGCACTGGCGTATGACAAACTGGAGAAGACCAAGAACCGCCTGCAGCAGGA 4362

Qy    537 GCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAAGATGAAGAC 596
          || ||| ||   ||     |  |  ||  |   | ||| | ||     |||  || |||
Db   4363 GCTGGACGACCTCACGGTGGACCTGGACCACCAGCGCCAGGTCGCCTCCAACTTGGAGAA 4422

Qy    597 CATGGAGCAGA 607
           | | || |||
Db   4423 GAAGCAGAAGA 4433


RESULT 5
US-09-962-832-225
; Sequence 225, Application US/09962832
; Patent No. US20020110821A1
; GENERAL INFORMATION:
;  APPLICANT: Ebner, Reinhard
;  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-74
;  CURRENT APPLICATION NUMBER: US/09/962,832
;  CURRENT FILING DATE:  2001-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,077
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,280
;  PRIOR FILING DATE: 2000-09-25
;  NUMBER OF SEQ ID NOS: 259
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 225
;   LENGTH: 2108
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-962-832-225

  Query Match             2.6%;  Score 51.6;  DB 10;  Length 2108;
  Best Local Similarity   55.6%;  Pred. No. 0.00023;
  Matches   99;  Conservative    0;  Mismatches   79;  Indels    0;  Gaps    0;

Qy    513 GCAGATGAAGTACTTAGAGCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGG 572
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Db   1142 GCAGCTGAAGCAGCTAGAGAAGCAGCAGGGGCAGCCAAAGCACCTGGAGGAGGAGGAGGG 1201

Qy    573 CCGGCTCAGGAGCAAGATGAAGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCT 632
          | ||| | |  |  | || ||     || |||| |  ||| |||  | |||    ||
Db   1202 GCAGCTGAAGCACCTGGTGCAGCAGGAGGGGCAGCTGAAGCATCTGGTGCAGCAGGAGGG 1261

Qy    633 CCCTGAGGTGGAGGAGATGATCCGAGACATGGGTGTGGGACAGTCAGCGGTGGAACAG 690
          |    || | || ||  ||  |  |    |    |||  |||   | || | | | |
Db   1262 GCAGCTGGAGCAGCAGGAGAGGCAGGTGGAGCACCTGGAGCAGCAGGTGGGGCAGCTG 1319


RESULT 6
US-09-969-852-4
; Sequence 4, Application US/09969852
; Patent No. US20020137211A1
; GENERAL INFORMATION:
;  APPLICANT: Liu, Tianyan
;  APPLICANT:  Liu, Huifen
;  APPLICANT:  Li, Wei
;  APPLICANT:  Zhao, Libin
;  TITLE OF INVENTION: A METHOD FOR ESTABLISHING AN EXPRESSION SYSTEM OF SPIDER DRAGLINE
;  TITLE OF INVENTION:  GENE IN BOMBYX MORI
;  FILE REFERENCE: LIU=65
;  CURRENT APPLICATION NUMBER: US/09/969,852
;  CURRENT FILING DATE:  2001-10-04
;  PRIOR APPLICATION NUMBER: CN01106406.4
;  PRIOR FILING DATE: 2001-01-02
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 1852
;   TYPE: DNA
;   ORGANISM: Nephila clavipes
US-09-969-852-4

  Query Match             2.4%;  Score 47.8;  DB 10;  Length 1852;
  Best Local Similarity   45.4%;  Pred. No. 0.0025;
  Matches  212;  Conservative    0;  Mismatches  252;  Indels    3;  Gaps    1;

Qy    463 CTGCAGCAGGCCTTGGGCAAGGCCGAGATGCTGTGCTCCACACTGAAAAAGCAGATGAAG 522
          | || | |||    || || ||  ||   | ||  |       ||| | ||| || || ||
Db    911 CAGCTGGAGGTGCCGGACAGGGAGGATTAGGTGGACAAGGTGCTGGACAAGGAGCTGGAG 970

Qy    523 TACTTAGAGCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGG 582
          |       |||||||| ||  | | |  |  | |   | ||   || || |  |   |
Db    971 CAGCCGCTGCAGCAGCTGGTGGTGCCGGACAAGG---AGGATATGGAGGTCTTGGAAACC 1027

Qy    583 AGCAAGATGAAGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAGGTG 642
          |    | || |     ||||  || |  |||  |  |  |||    || | |  ||   |
Db   1028 AAGGTGCTGGACGAGGTGGACAAGGTGCAGCAGCAGCAGCTGGAGGTGCTGGACAAG 1087

Qy    643 GAGGAGATGATCCGAGACATGGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTAC 702
          |||||  |||             |    ||  |||   | ||||||  || |||    |
Db   1088 GAGGATATGGAGGTCTTGGAAGCCAAGGTGCAGGACGAGGTGGATTAGGTGGACAAGGTG 1147

Qy    703 TGTGTGTCTCTCAAGAAAGAGTACGAGAATCTAAAAGAGGCACGGAAGGCCTCAGGGGAG 762
            |||   |   || |  ||   |||   ||  |  |||     | ||       || |
Db   1148 CAGGTGCAGCAGCAGCAGCTGGAGGTGCTGGACAAGGAGGATACGGTGGTCTTGGTG 1207

Qy    763 GTGGCTGACAAGCTGAGGAAGGATTTGTTTTCCTCCAGAAGCAAGTTGCAGACAGTCTAC 822
          |     |    |  | | ||| | ||     ||     |  |||| | | |   |   |
Db   1208 GACAAGGTGCCGGACAAGGAGGCTATGGAGGACTTGGAAGCCAAGGTTCTGGTCGAGGAG 1267

Qy    823 TCTGAATTGGATCAGGCCAAGTTAGAACTGAAGTCAGCCCAGAAGGACTTACAGAGTGCT 882
            | |  ||||  |||   || |  | | | ||      | | |||   |  | | |
Db   1268 GATTAGGTGGACAAGGTGCAGGTGCAGCAGCAGCAGCAGCTGGAGGTGCTGGACAAGGAG 1327

Qy    883 GACAAGGAAATCATGAGCCTGAAAAAGAAGCTAACGATGCTGCAGGA 929
          ||  |||    || |   ||| | ||| ||||   |  || || | |
Db   1328 GATTAGGTGGACAAGGTGCTGGACAAGGAGCTGGAGCAGCCGCTGCA 1374


RESULT 7
US-09-864-761-6203/c
; Sequence 6203, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 6203
;   LENGTH: 475
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AC003664.1
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
US-09-864-761-6203

  Query Match             2.3%;  Score 46.6;  DB 10;  Length 475;
  Best Local Similarity   52.9%;  Pred. No. 0.0024;
  Matches  100;  Conservative    0;  Mismatches   89;  Indels    0;  Gaps    0;

Qy     502 ACACTGAAAAAGCAGATGAAGTACTTAGAGCAGCAGCAGGATGAGACCAAACAAGCACAA 561
           | || ||| |||  || |||| |    ||| || || |||| ||||   || | |   ||
Db     364 AAACAGAAGAAGAGGAAGAAGGAGAAGGAGAAGGAGGAGGAGGAGAAGGAAGAGGAGAAA 305

Qy     562 GAGGAGGCGGGCCGGCTCAGGAGCAAGATGAAGACCATGGAGCAGATTGAGCTTCTACTC 621
           ||||||| ||    |   | ||  |||| ||||  | | || |||  |||
Db     304 GAGGAGGAGGAGGAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGGAGGAGGAGGAG 245

Qy     622 CAGAGCCAGCTCCCTGAGGTGGAGGAGATGATCCGAGACATGGGTGTGGGACAGTCAGCG 681
             ||    ||      |||  | || ||| ||      | | ||  | ||   |    | |
Db     244 GAGGAGGAGGAGGAGGAGAAGAAGAAGAAGAAGAAGAAGAAGGAAGAGGAGAAAGAGGAG 185

Qy     682 GTGGAACAG 690
           | |||  ||
Db     184 GAGGAGGAG 176


RESULT 8
US-09-864-761-22817/c
; Sequence 22817, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 22817
;   LENGTH: 511
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AC003664.1
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
;   OTHER INFORMATION: NT HIT: AF254822.1, EVALUE 1.00e-06
;   OTHER INFORMATION: EST_HUMAN HIT: AI393981.1, EVALUE 5.00e-07
US-09-864-761-22817

  Query Match             2.3%;  Score 46.6;  DB 10;  Length 511;
  Best Local Similarity   52.9%;  Pred. No. 0.0025;
  Matches  100;  Conservative    0;  Mismatches   89;  Indels    0;  Gaps    0;

Qy     502 ACACTGAAAAAGCAGATGAAGTACTTAGAGCAGCAGCAGGATGAGACCAAACAAGCACAA 561
           | || ||| |||  || |||| |    ||| || || |||| ||||   || | |   ||
Db     267 AAACAGAAGAAGAGGAAGAAGGAGAAGGAGAAGGAGGAGGAGGAGAAGGAAGAGGAGAAA 208

Qy     562 GAGGAGGCGGGCCGGCTCAGGAGCAAGATGAAGACCATGGAGCAGATTGAGCTTCTACTC 621
           ||||||| ||    |   | ||  |||| ||||  | | || |||  |||
Db     207 GAGGAGGAGGAGGAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGGAGGAGGAGGAG 148

Qy     622 CAGAGCCAGCTCCCTGAGGTGGAGGAGATGATCCGAGACATGGGTGTGGGACAGTCAGCG 681
             ||    ||      |||  | || ||| ||      | | ||  | ||   |    | |
Db     147 GAGGAGGAGGAGGAGGAGAAGAAGAAGAAGAAGAAGAAGAAGGAAGAGGAGAAAGAGGAG 88

Qy     682 GTGGAACAG 690
           | |||  ||
Db      87 GAGGAGGAG 79
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RESULT 9
US-10-001-870-68
; Sequence 68, Application US/10001870
; Patent No. US20020150924A1
; GENERAL INFORMATION:
;  APPLICANT: Salceda, Susana
;  APPLICANT:  Macina, Roberto
;  APPLICANT:  Recipon, Herve
;  APPLICANT:  Sun, Yongming
;  APPLICANT:  Liu, Chenghua
;  TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific Genes and
;  FILE REFERENCE: DEX-0283
;  CURRENT APPLICATION NUMBER: US/10/001,870
;  CURRENT FILING DATE:  2001-11-20
;  PRIOR APPLICATION NUMBER: 60/252,189
;  PRIOR FILING DATE: 2000-11-21
;  NUMBER OF SEQ ID NOS: 217
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 68
;   LENGTH: 3809
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-001-870-68

  Query Match             2.3%;  Score 46.6;  DB 12;  Length 3809;
  Best Local Similarity   49.2%;  Pred. No. 0.0086;
  Matches  150;  Conservative    0;  Mismatches  154;  Indels    1;  Gaps    1;

Qy     481 AAGGCCGAGATGCTGTGCTCCACACTGAAAAAGCAGATGAAGTACTTAGAGCAGCAGCAG 540
           || |||   |  | |  ||  |||   | | |    |      |   |||| |  || ||
Db    3208 AAAGCCACAACTCAGCCCTGTACAGCCAGAGAATCCAGATCCCAGGAAGAGGAAAAGGAG 3267

Qy     541 GATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAAGATGAAGACCATG 600
            | |||   ||||| |   | |||||||| | |  ||   ||||| | || || ||  | |
Db    3268 AAGGAGGAGAAACAGGTGGAGGAGGAGGGGAGGAGGAGGAGGAGGAGGAGGA-GAAG 3326

Qy     601 GAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAGGTGGAGGAGATGATCCGAGAC 660
           ||| ||   |||          ||    ||      |||| ||||||||| |      ||
Db    3327 GAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGAGAAGGAGGAGGAG 3386

Qy     661 ATGGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGTGTCTCTCAAGAAA 720
           | ||  | ||   ||   | || ||| ||  ||  | | |       |        || |
Db    3387 AAGGAGGAGGAGGAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGAG 3446

Qy     721 GAGTACGAGAATCTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGCTGACAAGCTGAGG 780
           ||| | ||| |     |  |||    | |||     | ||||| ||   | |||   | |
Db    3447 GAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGAGGAGGAGGAGGAGAAGAAGAAAAAG 3506

Qy     781 AAGGA 785
           |||||
Db    3507 AAGGA 3511


RESULT 10
US-09-864-761-27984/c
; Sequence 27984, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 27984
;   LENGTH: 267
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AC003065.1
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.53
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.66
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.59
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.52
;   OTHER INFORMATION: EST_HUMAN HIT: AI493849.1, EVALUE 3.80e+00
US-09-864-761-27984

  Query Match             2.2%;  Score 44.4;  DB 10;  Length 267;
  Best Local Similarity   50.8%;  Pred. No. 0.0072;
  Matches  131;  Conservative    0;  Mismatches  126;  Indels    1;  Gaps    1;

Qy     528 AGAGCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAA 587
           |||| |  || || | |||   ||||| |   | |||||||| | |  ||   ||||| |
Db     258 AGAGGAAAAGGAGAAGGAGGAGAAACAGGTGGAGGAGGAGGGGAGGAGGAGGAGGAGGAG 199

Qy     588 GATGAAGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAGGTGGAGGA 647
           || || ||  | |||| ||   |||           ||    ||      |||| ||||||
Db     198 GAGGAGGA-GAAGGAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGA 140

Qy     648 GATGATCCGAGACATGGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGT 707
           || |      || | ||  | ||   ||   | || |||  ||  ||  | | |
Db     139 GAAGGAGGAGGAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGAGAAGGAGGAGGAGGAGAA 80

Qy     708 GTCTCTCAAGAAAGAGTACGAGAATCTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGC 767
           |       || | ||| | ||| |         |||    | |||     | ||||| ||
Db      79 GGAGGAGGAGGAGGAGAAGGAGGAGGAGGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGA 20

Qy     768 TGACAAGCTGAGGAAGGA 785
             | |||   | ||||||
Db      19 GAAGAAGAAAAAGAAGGA 2


RESULT 11
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US-09-954-531-988
; Sequence 988, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
;  APPLICANT: Weaver, Zoe
;  TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
;  TITLE OF INVENTION:  Gene Sets
;  FILE REFERENCE: 689290-77
;  CURRENT APPLICATION NUMBER: US/09/954,531
;  CURRENT FILING DATE:  2002-05-02
;  PRIOR APPLICATION NUMBER: US/60/233,133
;  PRIOR FILING DATE: 2000-09-18
;  PRIOR APPLICATION NUMBER: US/60/234,009
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: US/60/234,034
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: US/60/234,509
;  PRIOR FILING DATE: 2000-09-22
;  PRIOR APPLICATION NUMBER: US/60/234,567
;  PRIOR FILING DATE: 2000-09-22
;  NUMBER OF SEQ ID NOS: 1392
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 988
;   LENGTH: 3388
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-954-531-988

  Query Match             2.2%;  Score 44;  DB 9;  Length 3388;
  Best Local Similarity   47.2%;  Pred. No. 0.043;
  Matches  134;  Conservative    0;  Mismatches  150;  Indels    0;  Gaps    0;

Qy     530 AGCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAAGA 589
           || |  |||||     |   ||| |       |||   ||| ||   |||  ||  |  |
Db    1013 AGAATAAGCAGACGCTGGAGAAAGAGAACGCAGACCTGGCCGGGGAGCTGCGGGTCCTGG 1072

Qy     590 TGAAGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAGGTGGAGGAGA 649
             || ||| | || || | || |  |       |||  | |    |  ||||| |||||
Db    1073 GCCAGGCCAAGCAGGAGGTGGAACATAAGAAGAAGAAGCTGGAGGCGCAGGTGCAGGAGC 1132

Qy     650 TGATCCGAGACATGGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGTGT 709
           ||       |     | |  ||  ||   ||   ||||   ||   |
Db    1133 TGCAGTCCAAGTGCAGCGATGGGGAGCGGGCCCGGGCGGAGCTCAATGACAAAGTCCACA 1192

Qy     710 CTCTCAAGAAAGAGTACGAGAATCTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGCTG 769
             ||  |||| ||    ||||   | | || |   |  || |   | | || |  |||
Db    1193 AGCTGCAGAATGAAGTTGAGAGCGTCACAGGGATGCTTAACGAGGCCGAGGGGAAGGCCA 1252

Qy     770 ACAAGCTGAGGAAGGATTTGTTTTCCTCCAGAAGCAAGTTGCAG 813
             ||||||   |||||  ||   |||  |||   | || | |||
Db    1253 TTAAGCTGGCCAAGGACGTGGCGTCCCTCAGTTCCCAGCTCCAG 1296


RESULT 12
US-09-954-531-1382
; Sequence 1382, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
;  APPLICANT: Weaver, Zoe
;  TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
;  TITLE OF INVENTION:  Gene Sets
;  FILE REFERENCE: 689290-77
;  CURRENT APPLICATION NUMBER: US/09/954,531
;  CURRENT FILING DATE:  2002-05-02
;  PRIOR APPLICATION NUMBER: US/60/233,133
;  PRIOR FILING DATE: 2000-09-18
;  PRIOR APPLICATION NUMBER: US/60/234,009
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: US/60/234,034
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: US/60/234,509
;  PRIOR FILING DATE: 2000-09-22
;  PRIOR APPLICATION NUMBER: US/60/234,567
;  PRIOR FILING DATE: 2000-09-22
;  NUMBER OF SEQ ID NOS: 1392
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1382
;   LENGTH: 3388
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-954-531-1382

  Query Match             2.2%;  Score 44;  DB 9;  Length 3388;
  Best Local Similarity   47.2%;  Pred. No. 0.043;
  Matches  134;  Conservative    0;  Mismatches  150;  Indels    0;  Gaps    0;

Qy     530 AGCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAAGA 589
           || |  |||||     |   ||| |       |||   ||| ||   |||  ||  |  |
Db    1013 AGAATAAGCAGACGCTGGAGAAAGAGAACGCAGACCTGGCCGGGGAGCTGCGGGTCCTGG 1072

Qy     590 TGAAGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAGGTGGAGGAGA 649
             || ||| | || || | || |  |       |||  | |    |  ||||| |||||
Db    1073 GCCAGGCCAAGCAGGAGGTGGAACATAAGAAGAAGAAGCTGGAGGCGCAGGTGCAGGAGC 1132

Qy     650 TGATCCGAGACATGGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGTGT 709
           ||       |     | |  ||  ||   ||   ||   ||||   ||   |
Db    1133 TGCAGTCCAAGTGCAGCGATGGGGAGCGGGCCCGGGCGGAGCTCAATGACAAAGTCCACA 1192

Qy     710 CTCTCAAGAAAGAGTACGAGAATCTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGCTG 769
             ||  |||| ||    ||||   | | || |   |  || |   | | || |  |||
Db    1193 AGCTGCAGAATGAAGTTGAGAGCGTCACAGGGATGCTTAACGAGGCCGAGGGGAAGGCCA 1252

Qy     770 ACAAGCTGAGGAAGGATTTGTTTTCCTCCAGAAGCAAGTTGCAG 813
             ||||||   |||||  ||   |||  |||   | || | |||
Db    1253 TTAAGCTGGCCAAGGACGTGGCGTCCCTCAGTTCCCAGCTCCAG 1296


RESULT 13
US-09-954-456-1602
; Sequence 1602, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
;  APPLICANT: Young, Paul
;  TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using C
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-76
;  CURRENT APPLICATION NUMBER: US/09/954,456
;  CURRENT FILING DATE:  2001-09-18
;  PRIOR APPLICATION NUMBER: US/60/233,617
;  PRIOR FILING DATE: 2000-09-18
;  PRIOR APPLICATION NUMBER: US/60/234,052
;  PRIOR FILING DATE: 2000-09-20
;  PRIOR APPLICATION NUMBER: US/60/234,923
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,134
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,637
;  PRIOR FILING DATE: 2000-09-26
;  PRIOR APPLICATION NUMBER: US/60/235,638
;  PRIOR FILING DATE: 2000-09-26
;  PRIOR APPLICATION NUMBER: US/60/235,711
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,720
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,840
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: US/60/235,863
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 2276
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1602
;   LENGTH: 3388
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-954-456-1602
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  Query Match             2.2%;  Score 44;  DB 10;  Length 3388;
  Best Local Similarity   47.2%;  Pred. No. 0.043;
  Matches  134;  Conservative    0;  Mismatches  150;  Indels    0;  Gaps    0;

Qy     530 AGCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAAGA 589
           || |  |||||      |   ||| |       |||   ||| ||   |||  ||  |  |
Db    1013 AGAATAAGCAGACGCTGGAGAAAGAGAACGCAGACCTGGCCGGGGAGCTGCGGGTCCTGG 1072

Qy     590 TGAAGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAGGTGGAGGAGA 649
             || ||| | || || | || | |        |||  | |    |  |||||  |||||
Db    1073 GCCAGGCCAAGCAGGAGGTGGAACATAAGAAGAAGAAGCTGGAGGCGCAGGTGCAGGAGC 1132

Qy     650 TGATCCGAGACATGGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGTGT 709
           ||       |     | |  ||  ||   ||   ||   ||||   ||   |
Db    1133 TGCAGTCCAAGTGCAGCGATGGGGAGCGGGCCCGGGCGGAGCTCAATGACAAAGTCCACA 1192

Qy     710 CTCTCAAGAAAGAGTACGAGAATCTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGCTG 769
             ||  |||| ||    ||||   | | || |   |` || |    | | || |  |||
Db    1193 AGCTGCAGAATGAAGTTGAGAGCGTCACAGGGATGCTTAACGAGGCCGAGGGGAAGGCCA 1252

Qy     770 ACAAGCTGAGGAAGGATTTGTTTTCCTCCAGAAGCAAGTTGCAG 813
             ||||||   |||||  ||   |||  |||   | || | |||
Db    1253 TTAAGCTGGCCAAGGACGTGGCGTCCCTCAGTTCCCAGCTCCAG 1296


RESULT 14
US-09-967-768A-245
; Sequence 245, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
;  APPLICANT: Augustus, Meena
;  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-72
;  CURRENT APPLICATION NUMBER: US/09/967,768A
;  CURRENT FILING DATE:  2001-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,109
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,034
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,111
;  PRIOR FILING DATE: 2000-09-28
;  NUMBER OF SEQ ID NOS: 325
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 245
;   LENGTH: 3388
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-967-768A-245

  Query Match             2.2%;  Score 44;  DB 10;  Length 3388;
  Best Local Similarity   47.2%;  Pred. No. 0.043;
  Matches  134;  Conservative    0;  Mismatches  150;  Indels    0;  Gaps    0;

Qy     530 AGCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTCAGGAGCAAGA 589
           || |  |||||      |   ||| |       |||   ||| ||   |||  ||  |  |
Db    1013 AGAATAAGCAGACGCTGGAGAAAGAGAACGCAGACCTGGCCGGGGAGCTGCGGGTCCTGG 1072

Qy     590 TGAAGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAGGTGGAGGAGA 649
             || ||| | || || | || | |        |||  | |    |  |||||  |||||
Db    1073 GCCAGGCCAAGCAGGAGGTGGAACATAAGAAGAAGAAGCTGGAGGCGCAGGTGCAGGAGC 1132

Qy     650 TGATCCGAGACATGGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGTGT 709
           ||       |     | |  ||  ||   ||   ||   ||||   ||   |
Db    1133 TGCAGTCCAAGTGCAGCGATGGGGAGCGGGCCCGGGCGGAGCTCAATGACAAAGTCCACA 1192

Qy     710 CTCTCAAGAAAGAGTACGAGAATCTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGCTG 769
             ||  |||| ||    ||||   | | || |   |  || |   | | || |  |||
Db    1193 AGCTGCAGAATGAAGTTGAGAGCGTCACAGGGATGCTTAACGAGGCCGAGGGGAAGGCCA 1252

Qy     770 ACAAGCTGAGGAAGGATTTGTTTTCCTCCAGAAGCAAGTTGCAG 813
             ||||||   |||||  ||   |||  |||   | || | |||
Db    1253 TTAAGCTGGCCAAGGACGTGGCGTCCCTCAGTTCCCAGCTCCAG 1296


RESULT 15
US-09-880-107-3389
; Sequence 3389, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
;  APPLICANT: Horne, Darci T.
;  APPLICANT:  Vockley, Joseph G.
;  APPLICANT:  Scherf, Uwe
;  APPLICANT:  Gene Logic, Inc.
;  TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
;  FILE REFERENCE: 44921-5028-WO
;  CURRENT APPLICATION NUMBER: US/09/880,107
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 60/211,379
;  PRIOR FILING DATE: 2000-06-14
;  PRIOR APPLICATION NUMBER: US 60/237,054
;  PRIOR FILING DATE: 2000-10-02
;  NUMBER OF SEQ ID NOS: 3950
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3389
;   LENGTH: 6457
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Genbank Accession No. US20020142981A1 U53786
US-09-880-107-3389

  Query Match             2.1%;  Score 42.4;  DB 10;  Length 6457;
  Best Local Similarity   54.6%;  Pred. No. 0.18;
  Matches  107;  Conservative    0;  Mismatches   86;  Indels    3;  Gaps    1;

Qy     463 CTGCAGCAGGCCTTGGGCAAGGCCGAGATGCTGTGCTCCACACTGAAAAAGCAGATGAAG 522
           ||||||  ||||  || | |||||||    |  |||       ||| |  || || ||  |
Db    4839 CTGCAGAGGGCCCGGGACCAGGCCGACCAGGAGTGTGGGCGGCTGCAGCAGGAGCTGCGG 4898

Qy     523 TACTTAGA---GCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCGGGCCGGCTC 579
               | ||   |||| ||||| |  ||||    ||    || |||||| ||   | ||||
Db    4899 GCTCTGGAGAGGCAGAAGCAGCAGCAGACACTGCAGCTGCAGGAGGAGTCGAAGCTGCTC 4958

Qy     580 AGGAGCAAGATGAAGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCTCCCTGAG 639
           ||    |||| | ||| |  |   ||||  | |   |  |         |||||  |   |
Db    4959 AGCCAGAAGACGGAGAGCGAGCGACAGAAGGCGGCCCAGCGGGGCCAGGAGCTCTCGCGG 5018

Qy     640 GTGGAGGAGATGATCC 655
           ||||||  |   ||||
Db    5019 CTGGAGGCGGCCATCC 5034


Search completed: December 13, 2002, 04:43:05
Job time : 233 secs
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